

PELLICER1A.ST25.txt  
SEQUENCE LISTING

<110> PELLICER, Angel  
LEONARDI, Peter  
INGHIRAMI, Giorgio

<120> HUMAN RGR ONCOGENE AND TRUNCATED TRANSCRIPTS THEREOF DETECTED IN  
T CELL MALIGNANCIES, ANTIBODIES TO THE ENCODED POLYPEPTIDES AND  
METHODS OF USE

<130> PELLICER=1A

<140> NOT YET ASSIGNED

<141> 2003-07-23

<150> 60/397,873

<151> 2002-07-24

<160> 28

<170> PatentIn version 3.2

<210> 1

<211> 2897

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1171)..(2589)

<400> 1

taaaccatc tcctcctatg ccacctgcct gggccccctcc tgggacttta tcaactgtgcc	60
acactttttg gaactactgg ttagaagggtg agtgtccatc cccctccaag acacagaggt	120
gcctctgtcc cctactggct ctgtcttgaa gatgcacctc tcggagcctc ggttggtctcc	180
tctggaacag ggagtagtga gaagacgaac ctacagagggt tcttgtaggg actcaatgat	240
ctaagacaca gcaaacaaag ggggccctag agcctaaaac tctggaaaat ctgctggggg	300
tgctgtgatt catgtttgtt acttttctct tccccctcac ttgaagcagc tctcagcatt	360
ctgcctcaat ggctgtatc actcactggt tggaaaaaca catagaaacc aagtctgcga	420
tggcactggt aaaggatgtc tgagattcct tctggctggt ctttctcctt gacacagaca	480
gaagaggggt cccttggtgc tgaaaaagga gccacaggcc cactcagaca tctggagagg	540
ctcactgggg ttctccaaag gttgggggtc actcattcaa cacatacatt caaaacacct	600
catttggtgca tcgctcttct tggggcttgg cataatttca taaacaaagc agatgacaat	660
cccccgccct tgattctact cagagtcagg cactcacagt agacagaata aacaagtcatt	720
atctacagaa tgttacaggt gagacctca tggcctcctc tacgtatggt ggcacacctc	780
cagattctga ctagaatgac gcagcccagc aacaaatata aactgggtgg atttaggggt	840
ctgaagggcc ttttcacca caaacatgg gggaaaatat gtggactctg gctggggaga	900
gactaaagga gctctggggc tcatacttct tataattccc acgagaaggc tgacatctgg	960
ggacttcccc cacaagaggc aaatagtgag ttctgtaaat ggagacttag gtcccctgca	1020
aagcagaggg gaggctgggg tcacagctgg ccactgagag acccatcccc ctgagcaccg	1080

PELLICER1A.ST25.txt

tggtttccca gctctccctg tctctctccc cccgacatct gccccctccc tcttaaccccc	1140
aggaccaggg gacccagatc tggagctttg atg agg aag ctg ctc aca aat ctg	1194
Met Arg Lys Leu Thr Asn Leu	
1 5	
cct gca gct gca gtc ttg agt gcc cag gtg tac agt gct gtg ctc cag	1242
Pro Ala Ala Ala Val Leu Ser Ala Gln Val Tyr Ser Ala Val Leu Gln	
10 15 20	
ggc ctt tgg gaa gag aat gtc tgt ggg acg cca ggg cgc acg agg gtc	1290
Gly Leu Trp Glu Glu Asn Val Cys Gly Thr Pro Gly Arg Thr Arg Val	
25 30 35 40	
tgt aca gcc ctg ctg tat ggc cag gtc tgc ccc ttc cag gac agc act	1338
Cys Thr Ala Leu Leu Tyr Gly Gln Val Cys Pro Phe Gln Asp Ser Thr	
45 50 55	
gat ggc tta cgc acc atc acc tcc att ttg ttc aac tgg ccc ccc gaa	1386
Asp Gly Leu Arg Thr Ile Thr Ser Ile Leu Phe Asn Trp Pro Pro Glu	
60 65 70	
aac act tca gtt tac tat cag ccc ccg caa cgg tca tct ttc cgg ata	1434
Asn Thr Ser Val Tyr Tyr Gln Pro Pro Gln Arg Ser Ser Phe Arg Ile	
75 80 85	
aag ctg gcc ttc agg aac ctc tcc tgg cct gga ctg ggc ttg gag gac	1482
Lys Leu Ala Phe Arg Asn Leu Ser Trp Pro Gly Leu Gly Leu Glu Asp	
90 95 100	
cat cag gaa att gtc cta ggc cag ttg gtg ctt ccg gag ccc aac gag	1530
His Gln Glu Ile Val Leu Gly Gln Leu Val Leu Pro Glu Pro Asn Glu	
105 110 115 120	
gcc aag cca gat gat cct gct cca cgt cct ggg caa cac gca tta aca	1578
Ala Lys Pro Asp Asp Pro Ala Pro Arg Pro Gly Gln His Ala Leu Thr	
125 130 135	
atg ccg gcc ctg gag cca gca cca cca ctg ctg gcg gac ctg ggg cct	1626
Met Pro Ala Leu Glu Pro Ala Pro Pro Leu Leu Ala Asp Leu Gly Pro	
140 145 150	
gct ctg gag cca gag tca cct gca gcc ctg ggt cca cca gga tat cta	1674
Ala Leu Glu Pro Glu Ser Pro Ala Ala Leu Gly Pro Pro Gly Tyr Leu	
155 160 165	
cat tca gca cca ggg cca gca cca gca cca ggg gaa ggg ccc cct cca	1722
His Ser Ala Pro Gly Pro Ala Pro Ala Pro Gly Glu Gly Pro Pro Pro	
170 175 180	
ggg aca gtg ctg gag cca cag tca gcc cca gag tcc tcc tgt ccc tgt	1770
Gly Thr Val Leu Glu Pro Gln Ser Ala Pro Glu Ser Ser Cys Pro Cys	
185 190 195 200	
cgt ggg tct gta aag aac caa ccc agt gag gag ctg cct gac atg acg	1818
Arg Gly Ser Val Lys Asn Gln Pro Ser Glu Glu Leu Pro Asp Met Thr	
205 210 215	
acc ttc cct ccc agg ctg ctg gca gag cag ctg acc ctc atg gat gcg	1866
Thr Phe Pro Pro Arg Leu Leu Ala Glu Gln Leu Thr Leu Met Asp Ala	
220 225 230	
gag ctg ttc aag aag gtg gtg ctc cac gaa tgc ttg ggc tgc atc tgg	1914
Glu Leu Phe Lys Lys Val Val Leu His Glu Cys Leu Gly Cys Ile Trp	
235 240 245	
ggc caa gga cat ctg aag ggg aat gag cac atg gca ccc aca gtt cgt	1962

PELLICER1A.ST25.txt

Gly	Gln	Gly	His	Leu	Lys	Gly	Asn	Glu	His	Met	Ala	Pro	Thr	Val	Arg	
250						255					260					
gcc	acc	atc	gca	cac	ttc	aac	agg	ctc	acc	aac	tgc	atc	acc	acc	tcc	2010
Ala	Thr	Ile	Ala	His	Phe	Asn	Arg	Leu	Thr	Asn	Cys	Ile	Thr	Thr	Ser	
265					270					275					280	
tgc	ctc	ggg	gac	cac	agc	atg	agg	gcc	cgg	gac	agg	gcc	agg	gtg	gtg	2058
Cys	Leu	Gly	Asp	His	Ser	Met	Arg	Ala	Arg	Asp	Arg	Ala	Arg	Val	Val	
				285					290					295		
gag	cac	tgg	atc	aag	gtg	gcc	agg	gag	tgc	cta	agc	ctc	aac	aac	ttc	2106
Glu	His	Trp	Ile	Lys	Val	Ala	Arg	Glu	Cys	Leu	Ser	Leu	Asn	Asn	Phe	
			300					305					310			
tcc	tcg	gtg	cac	gtc	atc	gtc	tct	gct	ctg	tgc	agc	aac	cca	ata	ggc	2154
Ser	Ser	Val	His	Val	Ile	Val	Ser	Ala	Leu	Cys	Ser	Asn	Pro	Ile	Gly	
		315					320					325				
cag	cta	cac	aag	acg	tgg	gca	gga	gtg	tcc	agc	aaa	agc	atg	aaa	gag	2202
Gln	Leu	His	Lys	Thr	Trp	Ala	Gly	Val	Ser	Ser	Lys	Ser	Met	Lys	Glu	
	330					335					340					
cta	aaa	gaa	ctc	tgc	aaa	aaa	gac	act	gca	gtg	aag	agg	gac	cta	ctg	2250
Leu	Lys	Glu	Leu	Cys	Lys	Lys	Asp	Thr	Ala	Val	Lys	Arg	Asp	Leu	Leu	
				350						355					360	
atc	aag	gcg	ggg	agc	ttt	aag	gtg	gcc	acc	cag	gag	agg	aac	ccc	cag	2298
Ile	Lys	Ala	Gly	Ser	Phe	Lys	Val	Ala	Thr	Gln	Glu	Arg	Asn	Pro	Gln	
				365					370					375		
aga	gtc	cag	atg	agg	ctg	cgg	agg	cag	aag	aag	ggc	gtg	gtc	ccc	ttc	2346
Arg	Val	Gln	Met	Arg	Leu	Arg	Arg	Gln	Lys	Lys	Gly	Val	Val	Pro	Phe	
			380					385					390			
ctg	ggg	gat	ttt	ctg	act	gag	tta	cag	agg	ctg	gat	tcg	gcc	atc	ccg	2394
Leu	Gly	Asp	Phe	Leu	Thr	Glu	Leu	Gln	Arg	Leu	Asp	Ser	Ala	Ile	Pro	
		395				400						405				
gac	gac	ctg	gat	ggc	aac	acc	aac	aag	agg	agc	aag	gag	gtc	cga	gtt	2442
Asp	Asp	Leu	Asp	Gly	Asn	Thr	Asn	Lys	Arg	Ser	Lys	Glu	Val	Arg	Val	
		410				415					420					
ctg	cag	gaa	atg	cag	ctg	ctc	caa	gtg	gct	gcc	atg	aat	tac	agg	ctt	2490
Leu	Gln	Glu	Met	Gln	Leu	Leu	Gln	Val	Ala	Ala	Met	Asn	Tyr	Arg	Leu	
					430					435					440	
cgg	cct	ctt	gag	aaa	ttt	gtc	acc	tat	ttc	aca	aga	atg	gag	cag	ctc	2538
Arg	Pro	Leu	Glu	Lys	Phe	Val	Thr	Tyr	Phe	Thr	Arg	Met	Glu	Gln	Leu	
				445					450					455		
agt	gac	aaa	gag	agc	tac	aag	ctg	tcc	tgc	cag	ctg	gag	ccc	gaa	aac	2586
Ser	Asp	Lys	Glu	Ser	Tyr	Lys	Leu	Ser	Cys	Gln	Leu	Glu	Pro	Glu	Asn	
			460					465					470			
ccg	taggctggca	acatcctgca	gtggctggga	acccaccggg	atgctggcca											2639
Pro																
gaacaccggc	tctgcacat	ccctcaccca	gaccgtagac	accaggggaac	cacatctagg											2699
aggctggcag	ctcagctgca	tcttgccctg	gatcctcatc	accaactgct	cctgctggcc											2759
aggatcaggc	catgggactt	ttgtgagtca	ggcgggagac	cattttatgt	ttattttctt											2819
tagtgtataa	gtaagggttt	tttcttaact	ttcgttaaaa	taaaatttta	aaaaactatt											2879
caaaataaaa	aaaaaaaa															2897

PELLICER1A.ST25.txt

<210> 2  
 <211> 473  
 <212> PRT  
 <213> Homo sapiens  
 <400> 2

Met Arg Lys Leu Leu Thr Asn Leu Pro Ala Ala Ala Val Leu Ser Ala  
 1 5 10 15

Gln Val Tyr Ser Ala Val Leu Gln Gly Leu Trp Glu Glu Asn Val Cys  
 20 25 30

Gly Thr Pro Gly Arg Thr Arg Val Cys Thr Ala Leu Leu Tyr Gly Gln  
 35 40 45

Val Cys Pro Phe Gln Asp Ser Thr Asp Gly Leu Arg Thr Ile Thr Ser  
 50 55 60

Ile Leu Phe Asn Trp Pro Pro Glu Asn Thr Ser Val Tyr Tyr Gln Pro  
 65 70 75 80

Pro Gln Arg Ser Ser Phe Arg Ile Lys Leu Ala Phe Arg Asn Leu Ser  
 85 90 95

Trp Pro Gly Leu Gly Leu Glu Asp His Gln Glu Ile Val Leu Gly Gln  
 100 105 110

Leu Val Leu Pro Glu Pro Asn Glu Ala Lys Pro Asp Asp Pro Ala Pro  
 115 120 125

Arg Pro Gly Gln His Ala Leu Thr Met Pro Ala Leu Glu Pro Ala Pro  
 130 135 140

Pro Leu Leu Ala Asp Leu Gly Pro Ala Leu Glu Pro Glu Ser Pro Ala  
 145 150 155 160

Ala Leu Gly Pro Pro Gly Tyr Leu His Ser Ala Pro Gly Pro Ala Pro  
 165 170 175

Ala Pro Gly Glu Gly Pro Pro Pro Gly Thr Val Leu Glu Pro Gln Ser  
 180 185 190

Ala Pro Glu Ser Ser Cys Pro Cys Arg Gly Ser Val Lys Asn Gln Pro  
 195 200 205

Ser Glu Glu Leu Pro Asp Met Thr Thr Phe Pro Pro Arg Leu Leu Ala  
 210 215 220

Glu Gln Leu Thr Leu Met Asp Ala Glu Leu Phe Lys Lys Val Val Leu  
 225 230 235 240

PELLICER1A.ST25.txt

His Glu Cys Leu Gly Cys Ile Trp Gly Gln Gly His Leu Lys Gly Asn  
245 250 255

Glu His Met Ala Pro Thr Val Arg Ala Thr Ile Ala His Phe Asn Arg  
260 265 270

Leu Thr Asn Cys Ile Thr Thr Ser Cys Leu Gly Asp His Ser Met Arg  
275 280 285

Ala Arg Asp Arg Ala Arg Val Val Glu His Trp Ile Lys Val Ala Arg  
290 295 300

Glu Cys Leu Ser Leu Asn Asn Phe Ser Ser Val His Val Ile Val Ser  
305 310 315 320

Ala Leu Cys Ser Asn Pro Ile Gly Gln Leu His Lys Thr Trp Ala Gly  
325 330 335

Val Ser Ser Lys Ser Met Lys Glu Leu Lys Glu Leu Cys Lys Lys Asp  
340 345 350

Thr Ala Val Lys Arg Asp Leu Leu Ile Lys Ala Gly Ser Phe Lys Val  
355 360 365

Ala Thr Gln Glu Arg Asn Pro Gln Arg Val Gln Met Arg Leu Arg Arg  
370 375 380

Gln Lys Lys Gly Val Val Pro Phe Leu Gly Asp Phe Leu Thr Glu Leu  
385 390 395 400

Gln Arg Leu Asp Ser Ala Ile Pro Asp Asp Leu Asp Gly Asn Thr Asn  
405 410 415

Lys Arg Ser Lys Glu Val Arg Val Leu Gln Glu Met Gln Leu Leu Gln  
420 425 430

Val Ala Ala Met Asn Tyr Arg Leu Arg Pro Leu Glu Lys Phe Val Thr  
435 440 445

Tyr Phe Thr Arg Met Glu Gln Leu Ser Asp Lys Glu Ser Tyr Lys Leu  
450 455 460

Ser Cys Gln Leu Glu Pro Glu Asn Pro  
465 470

<210> 3  
<211> 32  
<212> DNA  
<213> Artificial

<220>  
<223> Synthetic

PELLICER1A.ST25.txt

<400> 3  
atgacggtga gaacaacggc aacagctaca gg 32

<210> 4  
<211> 26  
<212> DNA  
<213> Artificial

<220>  
<223> Synthetic

<400> 4  
cgggttttcg ggctccagct ggcagg 26

<210> 5  
<211> 128  
<212> DNA  
<213> Homo sapiens

<400> 5  
tgagggtgct cgtgcctggt tcttcctcag agggatgacg gtgagaacaa cggcaacagc 60  
tacaggaaac tgagccctca gaggccctgt gaggtagctg tggtttgcac cactctttac 120  
agaagagg 128

<210> 6  
<211> 70  
<212> DNA  
<213> Homo sapiens

<400> 6  
aaacagtctc agggaggccc ggctgcaaga ctgggtgaca cacacagga gtgtggatct 60  
gggccagtgg 70

<210> 7  
<211> 117  
<212> DNA  
<213> Homo sapiens

<220>  
<221> CDS  
<222> (2)..(115)

<400> 7  
t atg agc acg gtg cca ggt ggc tcc cgc cac tcc ctg ggg atc caa gtg 49  
Met Ser Thr Val Pro Gly Gly Ser Arg His Ser Leu Gly Ile Gln Val  
1 5 10 15

cgg ggt ggc tgg ggt gta act ggg gga gag gag gag agc ctc act gtc 97  
Arg Gly Gly Trp Gly Val Thr Gly Gly Glu Glu Glu Ser Leu Thr Val  
20 25 30

cct gtc gct gac acc tgg ca 117  
Pro Val Ala Asp Thr Trp  
35

<210> 8  
<211> 38  
<212> PRT

PELLICER1A.ST25.txt

<213> Homo sapiens

<400> 8

Met Ser Thr Val Pro Gly Gly Ser Arg His Ser Leu Gly Ile Gln Val  
1 5 10 15

Arg Gly Gly Trp Gly Val Thr Gly Gly Glu Glu Glu Ser Leu Thr Val  
20 25 30

Pro Val Ala Asp Thr Trp  
35

<210> 9

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (251)..(532)

<400> 9

tgagggtgct cgtgcctggt tcttcctcag agggatgacg gtgagaacaa cggcaacagc 60

tacaggaac tgagccctca gaggccctgt gaggtagctg tggtttgcac cactctttac 120

agaagaggaa acagtctcag ggaggcccg ctgcaagact gggtagacaca cacaggaggt 180

gtggatctgg gccagtgggg cggggagctt taagggtggc acccaggaga ggaaccccca 240

gagagtccag atg agg ctg cgg agg cag aag aag ggt gtg gtc ccc ttc 289  
Met Arg Leu Arg Arg Gln Lys Lys Gly Val Val Pro Phe  
1 5 10

ctg ggg gat ttt ctg act gag tta cag agg ctg gat tcg gcc atc ccg 337  
Leu Gly Asp Phe Leu Thr Glu Leu Gln Arg Leu Asp Ser Ala Ile Pro  
15 20 25

gac gac ctg gat ggc aac acc aac aag agg agc aag gag gtc cga gtt 385  
Asp Asp Leu Asp Gly Asn Thr Asn Lys Arg Ser Lys Glu Val Arg Val  
30 35 40 45

ctg cag gaa atg cag ctg ctc caa gtg gct gcc atg aat tac agg ctt 433  
Leu Gln Glu Met Gln Leu Leu Gln Val Ala Ala Met Asn Tyr Arg Leu  
50 55 60

cgg cct ctt gag aaa ttt gtc acc tat ttc aca aga atg gag cag ctc 481  
Arg Pro Leu Glu Lys Phe Val Thr Tyr Phe Thr Arg Met Glu Gln Leu  
65 70 75

agt gac aaa gag agc tac aag ctg tcc tgc cag ctg gag ccc gaa aac 529  
Ser Asp Lys Glu Ser Tyr Lys Leu Ser Cys Gln Leu Glu Pro Glu Asn  
80 85 90

ccg taggctggca acatcctgca gtggctggga acccaccggg atgctggcca 582  
Pro

gaacaccggc tctgcacat ccctcaccca gaccgtagac accaggaac cacatctagg 642

aggctggcag ctgagctgca tcttgccctg gatcctcatc accaactgct cctgctggcc 702

aggatcaggc catgggactt ttgtgagtca ggcgggagac cattttatgt ttattttctt 762

PELLICER1A.ST25.txt

tagtgtataa gtaaggggtt tttcttaact ttcgttaaaa taaaatttta aaaaactatt 822  
caaaataaaa aaaaaaaaaa 840

<210> 10  
<211> 94  
<212> PRT  
<213> Homo sapiens  
<400> 10

Met Arg Leu Arg Arg Gln Lys Lys Gly Val Val Pro Phe Leu Gly Asp  
1 5 10 15

Phe Leu Thr Glu Leu Gln Arg Leu Asp Ser Ala Ile Pro Asp Asp Leu  
20 25 30

Asp Gly Asn Thr Asn Lys Arg Ser Lys Glu Val Arg Val Leu Gln Glu  
35 40 45

Met Gln Leu Leu Gln Val Ala Ala Met Asn Tyr Arg Leu Arg Pro Leu  
50 55 60

Glu Lys Phe Val Thr Tyr Phe Thr Arg Met Glu Gln Leu Ser Asp Lys  
65 70 75 80

Glu Ser Tyr Lys Leu Ser Cys Gln Leu Glu Pro Glu Asn Pro  
85 90

<210> 11  
<211> 966  
<212> DNA  
<213> Homo sapiens

<220>  
<221> CDS  
<222> (251)..(658)

<400> 11  
tgaggggtgct cgtgcctggt tcttcctcag agggatgacg gtgagaacaa cggcaacagc 60

tacaggaac tgagccctca gaggccctgt gaggtagctg tggtttgcac cactctttac 120

agaagaggaa acagtctcag ggaggcccg ctgcaagact gggtagacaca cacaggaggt 180

gtggatctgg gccagtgggg cggggagctt taaggtggcc acccaggaga ggaaccccca 240

gagagtccag atg agg ctg cgg agg cag aag aag ggt gtg gtc ccc ttc 289  
Met Arg Leu Arg Arg Gln Lys Lys Gly Val Val Pro Phe  
1 5 10

ctg ggg gat ttt ctg act gag tta cag agg ctg gat tcg gcc atc ccg 337  
Leu Gly Asp Phe Leu Thr Glu Leu Gln Arg Leu Asp Ser Ala Ile Pro  
15 20 25

gac gac ctg gat ggc aac acc aac aag agg agc aag gag gtc cga gtt 385  
Asp Asp Leu Asp Gly Asn Thr Asn Lys Arg Ser Lys Glu Val Arg Val  
30 35 40 45

PELLICER1A.ST25.txt

ctg cag gaa atg cag ctg ctc caa gtg gct gcc atg aat tac agg ctt 433  
 Leu Gln Glu Met Gln Leu Leu Gln Val Ala Ala Met Asn Tyr Arg Leu  
 50 55 60

cgg cct ctt gag aaa ttt gtc acc tat ttc aca aga atg gag cag ctc 481  
 Arg Pro Leu Glu Lys Phe Val Thr Tyr Phe Thr Arg Met Glu Gln Leu  
 65 70 75

agt gac aaa gag agg ctg cac tgc agt gtc acc atc tct gtt cac tgc 529  
 Ser Asp Lys Glu Arg Leu His Cys Ser Val Thr Ile Ser Val His Cys  
 80 85 90

aac gtc tgc ctt ctg ggc tca agt cct tcc tca gcc tcc caa gca gct 577  
 Asn Val Cys Leu Leu Gly Ser Ser Pro Ser Ser Ala Ser Gln Ala Ala  
 95 100 105

ggg act acc gct gta cac cac cat gtc cgg ttg ttc tgc tgt tgc tac 625  
 Gly Thr Thr Ala Val His His His Val Arg Leu Phe Cys Cys Cys Tyr  
 110 115 120 125

aag ctg tcc tgc cag ctg gag ccc gaa aac ccg taggctggca acatcctgca 678  
 Lys Leu Ser Cys Gln Leu Glu Pro Glu Asn Pro  
 130 135

gtggctggga acccaccggg atgctggcca gaacaccggc tctgcaccat ccctcaccca 738

gaccgtagac accagggaac cacatctagg aggctggcag ctcagctgca tcttgccctg 798

gacccatc accaactgct cctgctggcc aggatcaggc catgggactt ttgtgagtca 858

ggcgggagac cattttatgt ttattttctt tagtgtataa gtaagggttt tttcttaact 918

ttcgtaaaaa taaaatttta aaaaactatt caaataaaaa aaaaaaaaaa 966

<210> 12  
 <211> 136  
 <212> PRT  
 <213> Homo sapiens

<400> 12

Met Arg Leu Arg Arg Gln Lys Lys Gly Val Val Pro Phe Leu Gly Asp  
 1 5 10 15

Phe Leu Thr Glu Leu Gln Arg Leu Asp Ser Ala Ile Pro Asp Asp Leu  
 20 25 30

Asp Gly Asn Thr Asn Lys Arg Ser Lys Glu Val Arg Val Leu Gln Glu  
 35 40 45

Met Gln Leu Leu Gln Val Ala Ala Met Asn Tyr Arg Leu Arg Pro Leu  
 50 55 60

Glu Lys Phe Val Thr Tyr Phe Thr Arg Met Glu Gln Leu Ser Asp Lys  
 65 70 75 80

Glu Arg Leu His Cys Ser Val Thr Ile Ser Val His Cys Asn Val Cys  
 85 90 95

Leu Leu Gly Ser Ser Pro Ser Ser Ala Ser Gln Ala Ala Gly Thr Thr  
 100 105 110

PELLICER1A.ST25.txt

Ala Val His His His Val Arg Leu Phe Cys Cys Cys Tyr Lys Leu Ser  
115 120 125

Cys Gln Leu Glu Pro Glu Asn Pro  
130 135

<210> 13  
<211> 964  
<212> DNA  
<213> Homo sapiens

<220>  
<221> CDS  
<222> (200)..(649)

<400> 13  
tgagggtgct cgtgcctggt tcttcctcag agggatgacg gtgagaacaa cggcaacagc 60  
tacaggaaac tgagccctca gaggccctgt gaggtagctg tggtttgcac cactctttac 120  
agaagaggaa acagtctcag ggaggcccgg ctgcaagact gggtgacaca cacagggagt 180  
gtggatctgg gccagtgggt atg agc acg gtg cca ggt ggc tcc cgc cac tcc 232  
Met Ser Thr Val Pro Gly Gly Ser Arg His Ser  
1 5 10  
ctg ggg atc caa gtg cgg ggt ggc tgg ggt gta act ggg gga gag gag 280  
Leu Gly Ile Gln Val Arg Gly Gly Trp Gly Val Thr Gly Gly Glu Glu  
15 20 25  
gag agc ctc act gtc cct gtc gct gac acc tgg cag gcg ggg agc ttt 328  
Glu Ser Leu Thr Val Pro Val Ala Asp Thr Trp Gln Ala Gly Ser Phe  
30 35 40  
aag gtg gcc acc cag gag agg aac ccc cag aga gtc cag atg agg ctg 376  
Lys Val Ala Thr Gln Glu Arg Asn Pro Gln Arg Val Gln Met Arg Leu  
45 50 55  
cgg agg cag aag aag ggt gtg gtc ccc ttc ctg ggg gat ttt ctg act 424  
Arg Arg Gln Lys Lys Gly Val Val Pro Phe Leu Gly Asp Phe Leu Thr  
60 65 70 75  
gag tta cag agg ctg gat tgc gcc atc ccg gac gac ctg gat ggc aac 472  
Glu Leu Gln Arg Leu Asp Ser Ala Ile Pro Asp Asp Leu Asp Gly Asn  
80 85 90  
acc aac aag agg agc aag gag gtc cga gtt ctg cag gaa atg cag ctg 520  
Thr Asn Lys Arg Ser Lys Glu Val Arg Val Leu Gln Glu Met Gln Leu  
95 100 105  
ctc caa gtg gct gcc atg aat tac agg ctt cgg cct ctt gag aaa ttt 568  
Leu Gln Val Ala Ala Met Asn Tyr Arg Leu Arg Pro Leu Glu Lys Phe  
110 115 120  
gtc acc tat ttc aca aga atg gag cag ctc agt gac aaa gag agc tac 616  
Val Thr Tyr Phe Thr Arg Met Glu Gln Leu Ser Asp Lys Glu Ser Tyr  
125 130 135  
aag ctg tcc tgc cag ctg gag ccc gaa aac ccg taggctggca acatcctgca 669  
Lys Leu Ser Cys Gln Leu Glu Pro Glu Asn Pro  
140 145 150  
gtggctggga acccacgggg atgctggcca gaacaccggc tctgcacccat ccctcaccca 729  
Page 10

PELLICER1A.ST25.txt

gaccgtagac accaggaac cacatctagg aggctggcag ctcagctgca tcttgcctg 789  
gacccatc accaactgct cctctggcca ggatcaggcc atgggacttt tgtgagtcag 849  
gcgggagacc attttatgtt tattttcttt agtgataag taagggtttt ttcttaactt 909  
tcgttaaaat aaaatttttaaaaactattc aaaataaaaa aaaaaaaaaa aaaaa 964

<210> 14  
<211> 150  
<212> PRT  
<213> Homo sapiens

<400> 14

Met Ser Thr Val Pro Gly Gly Ser Arg His Ser Leu Gly Ile Gln Val  
1 5 10 15

Arg Gly Gly Trp Gly Val Thr Gly Gly Glu Glu Glu Ser Leu Thr Val  
20 25 30

Pro Val Ala Asp Thr Trp Gln Ala Gly Ser Phe Lys Val Ala Thr Gln  
35 40 45

Glu Arg Asn Pro Gln Arg Val Gln Met Arg Leu Arg Arg Gln Lys Lys  
50 55 60

Gly Val Val Pro Phe Leu Gly Asp Phe Leu Thr Glu Leu Gln Arg Leu  
65 70 75 80

Asp Ser Ala Ile Pro Asp Asp Leu Asp Gly Asn Thr Asn Lys Arg Ser  
85 90 95

Lys Glu Val Arg Val Leu Gln Glu Met Gln Leu Leu Gln Val Ala Ala  
100 105 110

Met Asn Tyr Arg Leu Arg Pro Leu Glu Lys Phe Val Thr Tyr Phe Thr  
115 120 125

Arg Met Glu Gln Leu Ser Asp Lys Glu Ser Tyr Lys Leu Ser Cys Gln  
130 135 140

Leu Glu Pro Glu Asn Pro  
145 150

<210> 15  
<211> 1048  
<212> DNA  
<213> Homo sapiens

<220>  
<221> CDS  
<222> (200)..(970)

<400> 15

PELLICER1A.ST25.txt

tgagggtgct cgtgcctggt tcttcctcag agggatgacg gtgagaacaa cggcaacagc	60
tacaggaaac tgagccctca gaggccctgt gaggtagctg tggtttgcat cactctttac	120
agaagaggaa acagtctcag ggaggcccgg ctgcaagact gggtgacaca cacagggagt	180
gtggatctgg gccagtggg atg agc acg gtg cca ggt ggc tcc cgc cac tcc	232
Met Ser Thr Val Pro Gly Gly Ser Arg His Ser	
1 5 10	
ctg ggg atc caa gtg cgg ggt ggc tgg ggt gta act ggg gga gag gag	280
Leu Gly Ile Gln Val Arg Gly Gly Trp Gly Val Thr Gly Gly Glu Glu	
15 20 25	
gag agc ctc act gtc cct gtc gct gac acc tgg cag gcg ggg agc ttt	328
Glu Ser Leu Thr Val Pro Val Ala Asp Thr Trp Gln Ala Gly Ser Phe	
30 35 40	
aag gtg gcc acc cag gag agg aac ccc cag aga gtc cag atg agg ctg	376
Lys Val Ala Thr Gln Glu Arg Asn Pro Gln Arg Val Gln Met Arg Leu	
45 50 55	
cgg agg cag aag aag ggt gtg gtc ccc ttc ctg ggg gat ttt ctg act	424
Arg Arg Gln Lys Lys Gly Val Val Pro Phe Leu Gly Asp Phe Leu Thr	
60 65 70 75	
gag tta cag agg ctg gat tcg gcc atc ccg gac gac ctg gat ggc aac	472
Glu Leu Gln Arg Leu Asp Ser Ala Ile Pro Asp Asp Leu Asp Gly Asn	
80 85 90	
acc aac aag agg agc aag gag gtc cga gtt ctg cag gaa atg cag ctg	520
Thr Asn Lys Arg Ser Lys Glu Val Arg Val Leu Gln Glu Met Gln Leu	
95 100 105	
ctc caa gtg gct gcc atg aat tac agg ctt cgg cct ctt gag aaa ttt	568
Leu Gln Val Ala Ala Met Asn Tyr Arg Leu Arg Pro Leu Glu Lys Phe	
110 115 120	
gtc acc tat ttc aca aga atg gag cag ctc agt gac aaa gag agg ggg	616
Val Thr Tyr Phe Thr Arg Met Glu Gln Leu Ser Asp Lys Glu Arg Gly	
125 130 135	
ttt cac gat gat gtc cag gat cgt ctc aaa ctc ctg gcc tca agc aat	664
Phe His Asp Asp Val Gln Asp Arg Leu Lys Leu Ala Ser Ser Asn	
140 145 150 155	
cca ccc acc tca gcc tcc caa agt act gac gtt aca ggt cta caa gct	712
Pro Pro Thr Ser Ala Ser Gln Ser Thr Asp Val Thr Gly Leu Gln Ala	
160 165 170	
gtc ctg cca gct gga gcc cga aaa ccc gta ggc tgg caa cat cct gca	760
Val Leu Pro Ala Gly Ala Arg Lys Pro Val Gly Trp Gln His Pro Ala	
175 180 185	
gtg gct ggg aac cca ccg gga tgc tgg cca gaa cac cgg ctc tgc acc	808
Val Ala Gly Asn Pro Pro Gly Cys Trp Pro Glu His Arg Leu Cys Thr	
190 195 200	
atc cct cac cca gac cgt aga cac cag gga acc aca tct agg agg ctg	856
Ile Pro His Pro Asp Arg Arg His Gln Gly Thr Ser Arg Arg Leu	
205 210 215	
gca gct cag ctg cat ctt gcc ctg gat cct cat cac caa ctg ctc ctg	904
Ala Ala Gln Leu His Leu Ala Leu Asp Pro His His Gln Leu Leu Leu	
220 225 230 235	
ctg gcc agg atc agg cca tgg gac ttt tgt gag tca ggc ggg aga cca	952
Leu Ala Arg Ile Arg Pro Trp Asp Phe Cys Glu Ser Gly Gly Arg Pro	

240

245

250

ttt tat gtt tat ttt ctt tagtgataa gtaagggttt tttcttaact  
Phe Tyr Val Tyr Phe Leu  
255

1000

ttcgttaaaa taaaatttta aaaaactatt caaaataaaa aaaaaaaaa

1048

<210> 16  
<211> 257  
<212> PRT  
<213> Homo sapiens  
  
<400> 16

Met Ser Thr Val Pro Gly Gly Ser Arg His Ser Leu Gly Ile Gln Val  
1 5 10 15

Arg Gly Gly Trp Gly Val Thr Gly Gly Glu Glu Glu Ser Leu Thr Val  
20 25 30

Pro Val Ala Asp Thr Trp Gln Ala Gly Ser Phe Lys Val Ala Thr Gln  
35 40 45

Glu Arg Asn Pro Gln Arg Val Gln Met Arg Leu Arg Arg Gln Lys Lys  
50 55 60

Gly Val Val Pro Phe Leu Gly Asp Phe Leu Thr Glu Leu Gln Arg Leu  
65 70 75 80

Asp Ser Ala Ile Pro Asp Asp Leu Asp Gly Asn Thr Asn Lys Arg Ser  
85 90 95

Lys Glu Val Arg Val Leu Gln Glu Met Gln Leu Leu Gln Val Ala Ala  
100 105 110

Met Asn Tyr Arg Leu Arg Pro Leu Glu Lys Phe Val Thr Tyr Phe Thr  
115 120 125

Arg Met Glu Gln Leu Ser Asp Lys Glu Arg Gly Phe His Asp Asp Val  
130 135 140

Gln Asp Arg Leu Lys Leu Leu Ala Ser Ser Asn Pro Pro Thr Ser Ala  
145 150 155 160

Ser Gln Ser Thr Asp Val Thr Gly Leu Gln Ala Val Leu Pro Ala Gly  
165 170 175

Ala Arg Lys Pro Val Gly Trp Gln His Pro Ala Val Ala Gly Asn Pro  
180 185 190

Pro Gly Cys Trp Pro Glu His Arg Leu Cys Thr Ile Pro His Pro Asp  
195 200 205

PELLICER1A.ST25.txt

Arg Arg His Gln Gly Thr Thr Ser Arg Arg Leu Ala Ala Gln Leu His  
210 215 220

Leu Ala Leu Asp Pro His His Gln Leu Leu Leu Ala Arg Ile Arg  
225 230 235 240

Pro Trp Asp Phe Cys Glu Ser Gly Gly Arg Pro Phe Tyr Val Tyr Phe  
245 250 255

Leu

<210> 17  
<211> 1240  
<212> DNA  
<213> Homo sapiens

<220>  
<221> CDS  
<222> (200)..(622)

<400> 17  
tgagggtgct cgtgcctggt tcttcctcag agggatgacg gtgagaacaa cggcaacagc 60  
tacaggaaac tgagccctca gaggccctgt gaggtagctg tggtttgcac cactctttac 120  
agaagaggaa acagtctcag ggaggcccgg ctgcaagact gggtgacaca cacagggagt 180  
gtggatctgg gccagtgggt atg agc acg gtg cca ggt ggc tcc cgc cac tcc 232  
Met Ser Thr Val Pro Gly Gly Ser Arg His Ser  
1 5 10  
ctg ggg atc caa gtg cgg ggt ggc tgg ggt gta act ggg gga gag gag 280  
Leu Gly Ile Gln Val Arg Gly Gly Trp Gly Val Thr Gly Gly Glu Glu  
15 20 25  
gag agc ctc act gtc cct gtc gct gac acc tgg cag gcg ggg agc ttt 328  
Glu Ser Leu Thr Val Pro Val Ala Asp Thr Trp Gln Ala Gly Ser Phe  
30 35 40  
aag gtg gcc acc cag gag agg aac ccc cag aga gtc cag atg agg ctg 376  
Lys Val Ala Thr Gln Glu Arg Asn Pro Gln Arg Val Gln Met Arg Leu  
45 50 55  
cgg agg cag aag aag ggt gtg gtc ccc ttc ctg ggg gat ttt ctg act 424  
Arg Arg Gln Lys Lys Gly Val Val Pro Phe Leu Gly Asp Phe Leu Thr  
60 65 70 75  
gag tta cag agg ctg gat tgc gcc atc ccg gac gac ctg gat ggc aac 472  
Glu Leu Gln Arg Leu Asp Ser Ala Ile Pro Asp Asp Leu Asp Gly Asn  
80 85 90  
acc aac aag agg agc aag gag gtc cga gtt ctg cag gaa atg cag ctg 520  
Thr Asn Lys Arg Ser Lys Glu Val Arg Val Leu Gln Glu Met Gln Leu  
95 100 105  
ctc caa gtg gct gcc atg aat tac agg ctt cgg cct ctt gag aaa ttt 568  
Leu Gln Val Ala Ala Met Asn Tyr Arg Leu Arg Pro Leu Glu Lys Phe  
110 115 120  
gtc acc tat ttc aca aga atg gag cag ctc agt gac aaa gag ggg gtt 616  
Val Thr Tyr Phe Thr Arg Met Glu Gln Leu Ser Asp Lys Glu Gly Val  
125 130 135

PELLICER1A.ST25.txt

tca cga tgatgtccag gatcgtctca aactcctggc ctcaagcaat ccacccacct 672  
 Ser Arg  
 140  
 cagcctccca aagtactgac gttacaggtg tgagccaccc cacctggcct agagaggctc 732  
 tcccgtggcc agctgcagag agcctatggc catgcctcca cggccagcat caagccctgt 792  
 tgcattgggga ccactgggga cccaggattc cagctgggca ggcactgaca ggggacctga 852  
 tgtgtggctc atgggtggcct cacagctgct tctctgtcct gcctacaagc tgtcctgcca 912  
 gctggagccc gaaaaccgt aggtctggcaa catcctgcag tggctgggaa cccaccggga 972  
 tgctggccag aacaccggct ctgcaccatc cctcaccag accgtagaca ccaggggaac 1032  
 cacatctagg aggtctggcag ctgagctgca tcttgccctg gatcctcatc accaactgct 1092  
 cctgctggcc aggatcaggc catgggactt ttgtgagtca ggcgggagac cattttatgt 1152  
 ttattttctt tagtgtataa gtaagggttt tttcttaact ttcgttaaaa taaaatttta 1212  
 aaaaactatt caaaataaaa aaaaaaaaa 1240

<210> 18  
 <211> 141  
 <212> PRT  
 <213> Homo sapiens

<400> 18

Met Ser Thr Val Pro Gly Gly Ser Arg His Ser Leu Gly Ile Gln Val  
 1 5 10 15

Arg Gly Gly Trp Gly Val Thr Gly Gly Glu Glu Glu Ser Leu Thr Val  
 20 25 30

Pro Val Ala Asp Thr Trp Gln Ala Gly Ser Phe Lys Val Ala Thr Gln  
 35 40 45

Glu Arg Asn Pro Gln Arg Val Gln Met Arg Leu Arg Arg Gln Lys Lys  
 50 55 60

Gly Val Val Pro Phe Leu Gly Asp Phe Leu Thr Glu Leu Gln Arg Leu  
 65 70 75 80

Asp Ser Ala Ile Pro Asp Asp Leu Asp Gly Asn Thr Asn Lys Arg Ser  
 85 90 95

Lys Glu Val Arg Val Leu Gln Glu Met Gln Leu Leu Gln Val Ala Ala  
 100 105 110

Met Asn Tyr Arg Leu Arg Pro Leu Glu Lys Phe Val Thr Tyr Phe Thr  
 115 120 125

Arg Met Glu Gln Leu Ser Asp Lys Glu Gly Val Ser Arg  
 130 135 140

PELLICER1A.ST25.txt

<210> 19  
 <211> 529  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> CDS  
 <222> (14)..(463)

<400> 19  
 ctgggccagt ggt atg agc acg gtg cca ggt ggc tcc cgc cac tcc ctg 49  
                   Met Ser Thr Val Pro Gly Gly Ser Arg His Ser Leu  
                   1                  5                  10

ggg atc caa gtg cgg ggt ggc tgg ggt gta act ggg gga gag gag gag 97  
 Gly Ile Gln Val Arg Gly Gly Trp Gly Val Thr Gly Gly Glu Glu Glu  
                   15                  20                  25

agc ctc act gtc cct gtc gct gac acc tgg cag gcg ggg agc ttt aag 145  
 Ser Leu Thr Val Pro Val Ala Asp Thr Trp Gln Ala Gly Ser Phe Lys  
                   30                  35                  40

gtg gcc acc cag gag agg aac ccc cag aga gtc cag atg agg ctg cgg 193  
 Val Ala Thr Gln Glu Arg Asn Pro Gln Arg Val Gln Met Arg Leu Arg  
                   45                  50                  55                  60

agg cag aag aag ggt gtg gtc ccc ttc ctg ggg gat ttt ctg act gag 241  
 Arg Gln Lys Lys Gly Val Val Pro Phe Leu Gly Asp Phe Leu Thr Glu  
                   65                  70                  75

tta cag agg ctg gat tgc gcc atc ccg gac gac ctg gat ggc aac acc 289  
 Leu Gln Arg Leu Asp Ser Ala Ile Pro Asp Asp Leu Asp Gly Asn Thr  
                   80                  85                  90

aac aag agg agc aag gag gtc cga gtt ctg cag gaa atg cag ctg ctc 337  
 Asn Lys Arg Ser Lys Glu Val Arg Val Leu Gln Glu Met Gln Leu Leu  
                   95                  100                  105

caa gtg gct gcc atg aat tac agg ctt cgg cct ctt gag aaa ttt gtc 385  
 Gln Val Ala Ala Met Asn Tyr Arg Leu Arg Pro Leu Glu Lys Phe Val  
                   110                  115                  120

acc tat ttc aca aga atg gag cag ctc agt gac aaa gag agc tac aag 433  
 Thr Tyr Phe Thr Arg Met Glu Gln Leu Ser Asp Lys Glu Ser Tyr Lys  
                   125                  130                  135                  140

ctg tcc tgc cag ctg gag ccc gaa aac ccg taggggtttt tcttaacttt 483  
 Leu Ser Cys Gln Leu Glu Pro Glu Asn Pro  
                   145                  150

cgttaaaata aaatttttaa aaactattca aaataaaaaa aaaaaa 529

<210> 20  
 <211> 150  
 <212> PRT  
 <213> Homo sapiens

<400> 20  
 Met Ser Thr Val Pro Gly Gly Ser Arg His Ser Leu Gly Ile Gln Val  
 1                  5                  10                  15

Arg Gly Gly Trp Gly Val Thr Gly Gly Glu Glu Glu Ser Leu Thr Val  
                   20                  25                  30

PELLICER1A.ST25.txt

Pro Val Ala Asp Thr Trp Gln Ala Gly Ser Phe Lys Val Ala Thr Gln  
35 40 45

Glu Arg Asn Pro Gln Arg Val Gln Met Arg Leu Arg Arg Gln Lys Lys  
50 55 60

Gly Val Val Pro Phe Leu Gly Asp Phe Leu Thr Glu Leu Gln Arg Leu  
65 70 75 80

Asp Ser Ala Ile Pro Asp Asp Leu Asp Gly Asn Thr Asn Lys Arg Ser  
85 90 95

Lys Glu Val Arg Val Leu Gln Glu Met Gln Leu Leu Gln Val Ala Ala  
100 105 110

Met Asn Tyr Arg Leu Arg Pro Leu Glu Lys Phe Val Thr Tyr Phe Thr  
115 120 125

Arg Met Glu Gln Leu Ser Asp Lys Glu Ser Tyr Lys Leu Ser Cys Gln  
130 135 140

Leu Glu Pro Glu Asn Pro  
145 150

<210> 21  
<211> 771  
<212> DNA  
<213> Homo sapiens

<220>  
<221> CDS  
<222> (181)..(462)

<400> 21  
tgagggtgct cgtgcctggt tcttcctcag agggatgacg gtgagaacaa cggcaacagc 60  
tacaggaaac tgagccctca gaggccctgt gaggtagctg tggtttgcac cactctttac 120  
agaagagggg cggggagctt taaggtggcc acccaggaga ggaaccccca gagagtccag 180  
atg agg ctg cgg agg cag aag aag ggt gtg gtc ccc ttc ctg ggg gat 228  
Met Arg Leu Arg Arg Gln Lys Lys Gly Val Val Pro Phe Leu Gly Asp  
1 5 10 15  
ttt ctg act gag tta cag agg ctg gat tcg gcc atc ccg gac gac ctg 276  
Phe Leu Thr Glu Leu Gln Arg Leu Asp Ser Ala Ile Pro Asp Asp Leu  
20 25 30  
gat ggc aac acc aac aag agg agc aag gag gtc cga gtt ctg cag gaa 324  
Asp Gly Asn Thr Asn Lys Arg Ser Lys Glu Val Arg Val Leu Gln Glu  
35 40 45  
atg cag ctg ctc caa gtg gct gcc atg aat tac agg ctt cgg cct ctt 372  
Met Gln Leu Leu Gln Val Ala Ala Met Asn Tyr Arg Leu Arg Pro Leu  
50 55 60  
gag aaa ttt gtc acc tat ttc aca aga atg gag cag ctc agt gac aaa 420

PELLICER1A.ST25.txt

Glu Lys Phe Val Thr Tyr Phe Thr Arg Met Glu Gln Leu Ser Asp Lys  
65 70 75 80

gag agc tac aag ctg tcc tgc cag ctg gag ccc gaa aac ccg 462  
Glu Ser Tyr Lys Leu Ser Cys Gln Leu Glu Pro Glu Asn Pro  
85 90

taggctggca acatcctgca gtggctggga acccaccggg atgctggcca gaacaccggc 522

tctgcaccat cccacacca gaccgtaga caccagggaa ccacatctag gaggctggca 582

gctcagctgc atcttgccct ggatcctcat caccaactgc tcctgctggc caggatcagg 642

ccatgggact tttgtgagtc aggcgggaga ccattttatg tttattttct ttagtgtata 702

agtaagggtt ttttcttaac tttcgttaaa ataaaatttt aaaaaactat tcaaaataaa 762

aaaaaaaaa 771

<210> 22  
<211> 94  
<212> PRT  
<213> Homo sapiens

<400> 22

Met Arg Leu Arg Arg Gln Lys Lys Gly Val Val Pro Phe Leu Gly Asp  
1 5 10 15

Phe Leu Thr Glu Leu Gln Arg Leu Asp Ser Ala Ile Pro Asp Asp Leu  
20 25 30

Asp Gly Asn Thr Asn Lys Arg Ser Lys Glu Val Arg Val Leu Gln Glu  
35 40 45

Met Gln Leu Leu Gln Val Ala Ala Met Asn Tyr Arg Leu Arg Pro Leu  
50 55 60

Glu Lys Phe Val Thr Tyr Phe Thr Arg Met Glu Gln Leu Ser Asp Lys  
65 70 75 80

Glu Ser Tyr Lys Leu Ser Cys Gln Leu Glu Pro Glu Asn Pro  
85 90

<210> 23  
<211> 1044  
<212> DNA  
<213> Homo sapiens

<220>  
<221> CDS  
<222> (196)..(966)

<400> 23

gggtgctcgt gcctggttct tcctcagagg gatgacggtg agaacaaggc aacagctaca 60

ggaaactgag ccctcagagg ccctgtgagg tagctgtggt ttgcatcact ctttacagaa 120

gaggaaacag tctcagggag gcccggtctg aagactgggt gacacacaca gggagtgtgg 180

PELLICER1A.ST25.txt

atctgggcca gtggt atg agc acg gtg cca ggt ggc tcc cgc cac tcc ctg	231
Met Ser Thr Val Pro Gly Gly Ser Arg His Ser Leu	
1 5 10	
ggg atc caa gtg cgg ggt ggc tgg ggt gta act ggg gga gag gag gag	279
Gly Ile Gln Val Arg Gly Gly Trp Gly Val Thr Gly Gly Glu Glu Glu	
15 20 25	
agc ctc act gtc cct gtc gct gac acc tgg cag gcg ggg agc ttt aag	327
Ser Leu Thr Val Pro Val Ala Asp Thr Trp Gln Ala Gly Ser Phe Lys	
30 35 40	
gtg gcc acc cag gag agg aac ccc cag aga gtc cag atg agg ctg cgg	375
Val Ala Thr Gln Glu Arg Asn Pro Gln Arg Val Gln Met Arg Leu Arg	
45 50 55 60	
agg cag aag aag ggt gtg gtc ccc ttc ctg ggg gat ttt ctg act gag	423
Arg Gln Lys Lys Gly Val Val Pro Phe Leu Gly Asp Phe Leu Thr Glu	
65 70 75	
tta cag agg ctg gat tgc gcc atc ccg gac gac ctg gat ggc aac acc	471
Leu Gln Arg Leu Asp Ser Ala Ile Pro Asp Asp Leu Asp Gly Asn Thr	
80 85 90	
aac aag agg agc aag gag gtc cga gtt ctg cag gaa atg cag ctg ctc	519
Asn Lys Arg Ser Lys Glu Val Arg Val Leu Gln Glu Met Gln Leu Leu	
95 100 105	
caa gtg gct gcc atg aat tac agg ctt cgg cct ctt gag aaa ttt gtc	567
Gln Val Ala Ala Met Asn Tyr Arg Leu Arg Pro Leu Glu Lys Phe Val	
110 115 120	
acc tat ttc aca aga atg gag cag ctc agt gac aaa gag aga tgg ggt	615
Thr Tyr Phe Thr Arg Met Glu Gln Leu Ser Asp Lys Glu Arg Trp Gly	
125 130 135 140	
ttc acg atg atg tcc agg atc gtc tca aac tcc tgg cct caa gca atc	663
Phe Thr Met Met Ser Arg Ile Val Ser Asn Ser Trp Pro Gln Ala Ile	
145 150 155	
cac cca cct cag cct ccc aaa gta ctg acg tta cag cta caa gct gtc	711
His Pro Pro Gln Pro Pro Lys Val Leu Thr Leu Gln Leu Gln Ala Val	
160 165 170	
ctg cca gct gga gcc cga aaa ccc gta ggc tgg caa cat cct gca gtg	759
Leu Pro Ala Gly Ala Arg Lys Pro Val Gly Trp Gln His Pro Ala Val	
175 180 185	
gct ggg aac cca ccg gga tgc tgg cca gaa cac cgg ctc tgc acc atc	807
Ala Gly Asn Pro Pro Gly Cys Trp Pro Glu His Arg Leu Cys Thr Ile	
190 195 200	
cct cac cca gac cgt aga cac cag gga acc aca tct agg agg ctg gca	855
Pro His Pro Asp Arg Arg His Gln Gly Thr Thr Ser Arg Arg Leu Ala	
205 210 215 220	
gct cag ctg cat ctt gcc ctg gat cct cat cac caa ctg ctc ctg ctg	903
Ala Gln Leu His Leu Ala Leu Asp Pro His His Gln Leu Leu Leu Leu	
225 230 235	
gcc agg atc agg cca tgg gac ttt tgt gag tca ggc ggg aga cca ttt	951
Ala Arg Ile Arg Pro Trp Asp Phe Cys Glu Ser Gly Gly Arg Pro Phe	
240 245 250	
tat gtt tat ttt ctt tagtgtataa gtaagggttt tttcttaact ttcgttaaaa	1006
Tyr Val Tyr Phe Leu	
255	

taaaatttta aaaaactatt caaaataaaa aaaaaaaa

1044

<210> 24  
 <211> 257  
 <212> PRT  
 <213> Homo sapiens

<400> 24

Met Ser Thr Val Pro Gly Gly Ser Arg His Ser Leu Gly Ile Gln Val  
 1 5 10 15

Arg Gly Gly Trp Gly Val Thr Gly Gly Glu Glu Glu Ser Leu Thr Val  
 20 25 30

Pro Val Ala Asp Thr Trp Gln Ala Gly Ser Phe Lys Val Ala Thr Gln  
 35 40 45

Glu Arg Asn Pro Gln Arg Val Gln Met Arg Leu Arg Arg Gln Lys Lys  
 50 55 60

Gly Val Val Pro Phe Leu Gly Asp Phe Leu Thr Glu Leu Gln Arg Leu  
 65 70 75 80

Asp Ser Ala Ile Pro Asp Asp Leu Asp Gly Asn Thr Asn Lys Arg Ser  
 85 90 95

Lys Glu Val Arg Val Leu Gln Glu Met Gln Leu Leu Gln Val Ala Ala  
 100 105 110

Met Asn Tyr Arg Leu Arg Pro Leu Glu Lys Phe Val Thr Tyr Phe Thr  
 115 120 125

Arg Met Glu Gln Leu Ser Asp Lys Glu Arg Trp Gly Phe Thr Met Met  
 130 135 140

Ser Arg Ile Val Ser Asn Ser Trp Pro Gln Ala Ile His Pro Pro Gln  
 145 150 155 160

Pro Pro Lys Val Leu Thr Leu Gln Leu Gln Ala Val Leu Pro Ala Gly  
 165 170 175

Ala Arg Lys Pro Val Gly Trp Gln His Pro Ala Val Ala Gly Asn Pro  
 180 185 190

Pro Gly Cys Trp Pro Glu His Arg Leu Cys Thr Ile Pro His Pro Asp  
 195 200 205

Arg Arg His Gln Gly Thr Thr Ser Arg Arg Leu Ala Ala Gln Leu His  
 210 215 220

Leu Ala Leu Asp Pro His His Gln Leu Leu Leu Leu Ala Arg Ile Arg  
 225 230 235 240

PELLICER1A.ST25.txt

Pro Trp Asp Phe Cys Glu Ser Gly Gly Arg Pro Phe Tyr Val Tyr Phe  
 245 250 255

Leu

<210> 25  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> synthetic

<400> 25  
 uuugucgccu gcaagagact t 21

<210> 26  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> synthetic

<400> 26  
 guccuugca ggcgacaaat t 21

<210> 27  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> synthetic

<400> 27  
 uuacaggcuu cgccucuut t 21

<210> 28  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> synthetic

<400> 28  
 aagaggccga agccuguaat t 21